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Agricultural **L**ibraries **I**nformation **N**otes



National
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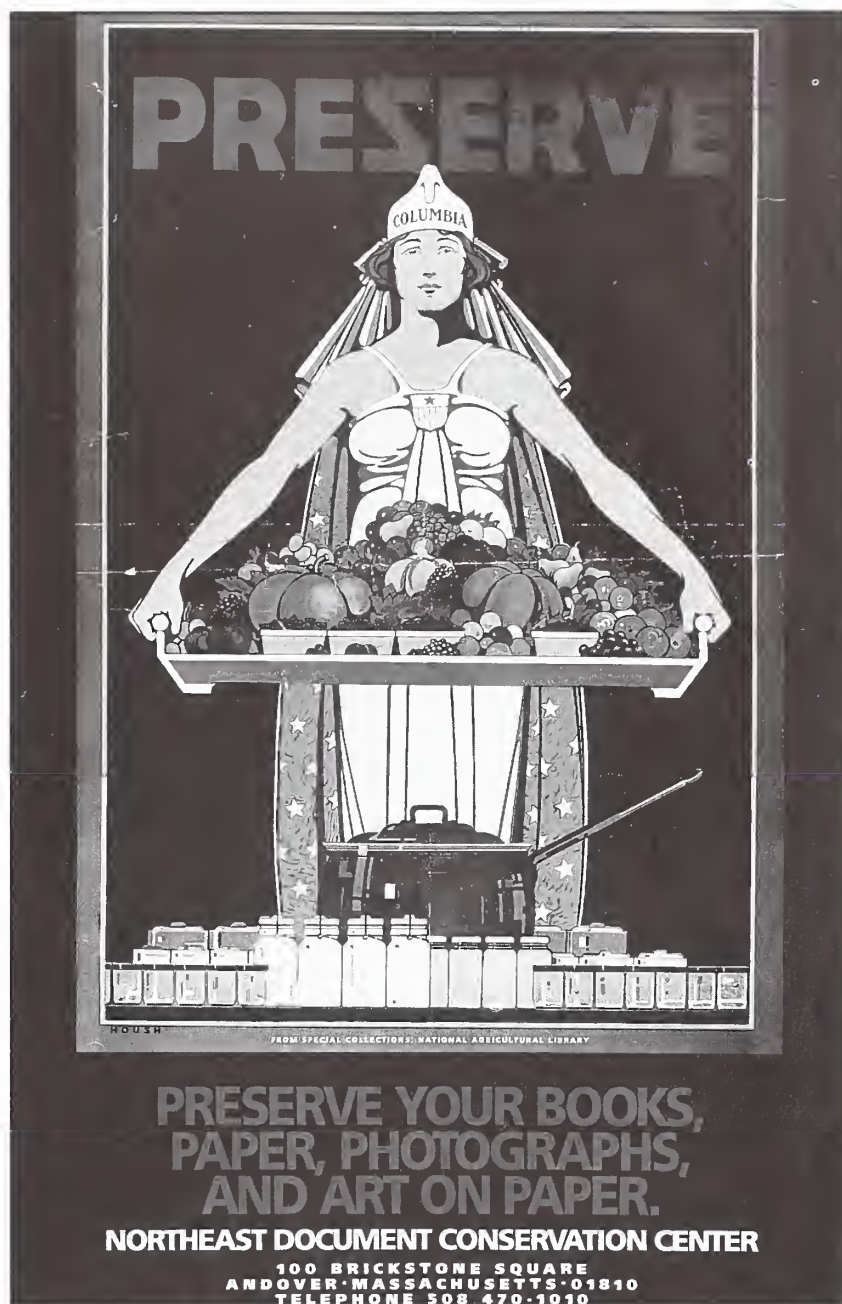
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The original World War I poster of Columbia urging citizens to preserve fruits and vegetables by canning is part of NAL Special Collections. The poster was recently deacidified and encapsulated in mylar by Northeast Document Conservation Center, who also had it photographed and reprinted with a new preservation message on the bottom. For an article on NAL's current preservation program, see pages 3-5 of this issue of **ALIN**.

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...and more

Statement of Elaine M. Albright submitted to the Agriculture, Rural Development, and Related Agencies Subcommittee on Appropriations May 13, 1991

Mr. Chairman, Committee Members, I am Elaine Albright, Director of Libraries at the University of Maine in Orono, Maine. I am also Chair of the Legislative and Government Committee of the United States Agricultural Information Network (USAIN). I am writing to support the budget request of \$17,453,000 for Fiscal Year 1992 for the National Agricultural Library (NAL).

The United States Agricultural Information Network (USAIN) was created in 1988 to provide a forum for agricultural issues, to take a leadership role in the formation of a national agricultural information policy, and to advise the National Agricultural Library. To accomplish these ends, USAIN is committed to the strengthening of agricultural libraries and information services. It promotes co-

operation and communication among its members, who come from land-grant colleges and universities, special libraries, and government agencies.

The National Agricultural Library is a vital agricultural resource. It functions as a central node in the agricultural community to which USAIN members belong. NAL collects a broad spectrum of scientific and technological materials, catalogs and indexes it in its AGRICOLA database, and makes it available to the nation's researchers and scholars. These are traditional functions for a typical research library, but NAL provides much more than these valuable services.

The National Agricultural Library has demonstrated creative leadership in addressing the numerous problems that confront information specialists today. The Library initiated a pioneering effort to explore the feasibility of expediting and enhancing access to agricultural information through digitization in the National Agricultural Text Digitizing Project. Forty-four land-grant universities have participated in this project, which has produced several agricultural CD-ROMs. The project is currently entering

Phase III, in which digitized images of interlibrary loan requests are transmitted from libraries to the scholar's work station. USAIN's Telecommunications and Networking Committee oversees this project.

In another important endeavor involving networking and resource sharing, NAL and eight midwestern universities are cooperating in developing a Midwest Agricultural Biotechnology Information Center. A small planning grant

in Fiscal Year 1991 has enabled NAL to work with Iowa State University and other midwestern institutions to devise strategies for cooperative collection development and the provision of access to agricultural databases over the Internet.

In addition to evaluating and applying new technologies to enhance access to agricultural information, NAL has promoted the concept of specialized information centers staffed by subject experts to provide focused reference and outreach on key agricultural topics, including Presidential and Department of Agriculture initiatives. Newly established information centers target biotechnology, rural health, plant genome research, water quality, and technology transfer as areas deserving particular attention.

The services provided by the National Agricultural Library are immensely important to the support of agricultural research. NAL information is essential as American researchers and industries strive to maintain a competitive edge in the global agricultural community. To meet the needs of its users, both within U.S.D.A. and throughout the United States, NAL needs to build on its existing appropriation and receive funding appropriate to the scope of its mission. In particular, USAIN strongly endorses funding networking activities through NAL. Dollars spent on linking NAL to other libraries and users of agricultural information will have a high yield as unnecessary duplication in collections can be reduced and data can be provided more rapidly. Since 1970, NAL has produced the highly valued AGRICOLA database, a subject and bibliographic index to agricultural literature which is distributed internationally. Yet as AGRICOLA funding has remained essentially flat, the database has become increasingly circumscribed in its coverage. To generate a richer, more timely, and therefore, more useful product, NAL requires a substantial increase in support of its basic funding for collection and access. To preserve NAL's collection for future generations of scientists and researchers, USAIN recommends funds for preservation and miniaturization.



photo: J. Swab

Elaine M. Albright



NAL's needs are manifold, and its resources are extremely limited to meet the urgent requirements of today's researcher, scholar, administrator, and farmer. USAIN feels strongly that investment in the National Agricultural Library will be redoubled as the benefits NAL's many outreach and strengthening programs are experienced throughout the nation. Recent studies have demonstrated that the value of information exceeds the cost of its provision many times over. Working together, NAL and USAIN strive to improve access to information in order to promote a strong and healthy agricultural economy for the United States. Support of NAL's programs and endeavors will play a vital role in securing the country's future.

NAL Fights to Win the Preservation Battle

by Brian Norris
Public Affairs Officer, NAL

The National Agricultural Library is locked in a battle with a relentless adversary—time. To the victor in this battle goes the nation's collection of agricultural books, reports, journals, scientific studies, and other priceless materials.

Time is ravaging a large portion of these materials. One can lift a 1912 volume of *The American Cultivator* from the shelves of the library and have it crumble like dried leaves. Time aided by the acid contained in the paper of books and

materials published in the last 140 years is causing this calamity.

"Preservation problems for libraries began with the invention of wood pulp paper and its widespread use beginning around 1850," said NAL's Dr. Les Kulp. "The general use of wood pulp paper, highly acidic in nature, has created a situation in which library materials are deteriorating at an alarming pace."

Recently, an NAL task force headed by Dr. Kulp completed a thorough review of the condition of the NAL collection and developed a plan to mitigate the effects of time and acid-paper on these materials.

"The study identifies what our preservation problems are," said NAL Director Joseph H. Howard. "Now we must work to find solutions to these problems."

Like most large research libraries faced with numerous demands and limited resources, so far NAL has been able to take only simple and inexpensive steps to preserve materials. These include storing materials flat rather than vertically thus reducing the strain on old book bindings; using automatic timers to limit the amount of artificial, irradiating light allowed to shine on materials stored in library stacks; and controlling temperature, moisture, and other environmental conditions in which materials are stored. Also, each year NAL binds many thousands of journals to extend their useful lives as they are handled by researchers, scientists, and other users of the library. However, much more needs to be done.

Kulp said that preservation of materials is a major concern of the library profession as a whole. Typically, about 25 percent of the collections of most large research libraries have become brittle; flaking to pieces with even the most



photo: J. Swab

Recently NAL had a seminar on preservation for Federal librarians and information center staff. The participants, some of whom are seen here, represented about twenty agencies. At right is Richard F. Myers of the National Archives and Records Administration, concluding his presentation. At left is Alan Fuson, Head, Special Collections, NAL, who organized the seminar. Presentations focused on new technologies for capturing images from print media and preserving them in optical disc media. See *ALIN*, Vol. 16(nos. 11/12), Nov/Dec 1990, for related articles.

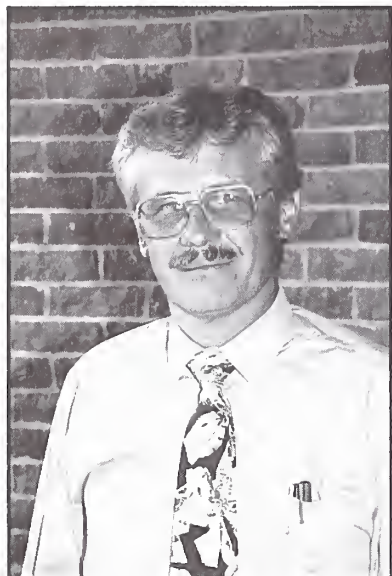


photo: J. Swab

Richard F. Myers
National Archives
and Records Administration



photo: J. Swab

Jim Wallace
Director/Curator, Office of Printing &
Photographic Services, Smithsonian



photo: J. Swab

Alan Fusonie
Head, Special Collections,
National Agricultural Library

careful handling. Agricultural publications may be even more susceptible to this malady.

"A large number of agricultural publications are published by societies and governments with the intent of free distribution," Kulp said. "Agriculture is a chief concern of most governments and spreading agricultural information quickly, broadly and cheaply is often their aim. These sources frequently publish on poorer grades of paper which are highly acidic and short-lived."

In the case of the NAL collection, Kulp said that more than 50 percent of the monographs and serials are disintegrating and about one-fourth of the NAL's 2.3 million volumes are brittle.

"The contents of the brittle volumes need to be transferred to another medium in order to be useful and to escape loss to the scientific world," Kulp said.

The only option is to transfer their contents to a format such as microform, photocopy, or optical disk, he said. To a degree, the library is doing this.

NAL began its program of full-conservation of rare or historical items in 1971, contracting with a conservator to restore items of particular significance. To date, about 2,000 items have been fully restored, or about 4 percent of the estimated 50,000 titles in the historic books and manuscripts collections of NAL.

The library also cooperates with land-grant university libraries, the Library of Congress and commercial microform publishers to microfilm significant agricultural publications.

Perhaps most encouraging is the library's work in applying new technologies in its preservation efforts. How-

ever, Howard cautions that these are experimental projects at present and would need to be up-graded considerably in order to be of significant help to NAL's preservation program.

Be that as it may, NAL has gained international respect for its leadership role in placing full-text, page images, photographs, and even audio-visual materials on CD-ROMs and laser discs. For instance, the library, working with USDA's Office of Public Affairs, developed a laser disc system containing 16,000 USDA photographs.

The system consists of a 12-inch laser disc and computer software that allows searchers to find needed photographs in minutes instead of the hours required when going through thousands of files. In addition to the time saved, the system



photo: J. Swab

Speaker Richard Myers (seated center) demonstrates an optical disk following the presentations at the NAL preservation seminar.

also lessens wear and tear on photographs by reducing the handling they receive when searchers thumb through them.

In a major experimental effort, the library has placed entire collections of materials about several critical, agriculture-related subjects on five-inch, easy-to-use CD-ROMs (compact disc-read only memory). Subjects include acid rain, agent orange, food irradiation, and others. NAL makes these discs available to land-grant university libraries for use and evaluation. Each small disc contains thousands of pages of information, including diagrams, charts, and pictures. Program managers are encouraged with the success of this experimental program and, with the proper support, see tremendous potential.

But in spite of the hope NAL maintains that it will eventually develop a viable preservation program, the battle to save the nation's agricultural knowledge is an old one and one the library expects to be waging for years to come.

According to Kulp, NAL and USDA have the responsibility for "ensuring the survival of the world's most important body of recorded agricultural knowledge."

It is a weighty responsibility.

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The Unified Agricultural Thesaurus Project: an Update

by Pamela Q. J. Andre
Associate Director for Automation, NAL

A working meeting on the Unified Agricultural

Thesaurus project was held on June 18-19, 1991, at Zentralstelle für Agrar-dokumentation und-information (ZADI) in Bonn, Germany. This meeting continued the work initiated at meetings in October

1989 and December 1990 at which strong interest was expressed by the international participants in a project to create a unified agricultural thesaurus and gateway system to enhance access to agricultural databases. Participants included representatives from the three major agricultural database producers: NAL, FAO and CABI, as well as representatives from the Commission of the European Communities, PUDOC, and the host organization, ZADI.

The primary purpose of the meeting was to develop a plan for the implementation of the Unified Agricultural Thesaurus (UAT) Project and to clarify the relationship between this project and the Expert System Project being implemented by ZADI.

The first topic on the agenda was the discussion and approval of the project overview statement. This statement has been developed to provide direction and guidance for the overall project. The project statement can be found in the box on the next page.

Representatives from ZADI described the Expert System being designed as an intelligent gateway for accessing agricultural databases. The system, which is being funded by the Commission of the European Communities (CEC), will assist searches in agricultural literature and research project databases and will prepare search profiles optimized for each database and host computer. A menu interface is being designed which will include a number of knowledge bases both online and on CD-ROM. The project will include a classified thesaurus as part of the system.

The development of the classified thesaurus is seen as part of the first stage of the Unified Agricultural Thesaurus Project. Because of the overlapping nature of the classification activity, ZADI project funds will be used to support NAL, FAO and CAB's participation in the development of the classification structure needed for both the UAT and the Expert System.

The Feasibility Study Report including the Cost Benefit Analysis developed under contract by DataCentralen was

(Continued on page 7)



Participants in the thesaurus meeting included (L-R): Peter Wightman; Stella Dextre Clarke; Eckehard König; Pamela Andre; and Sarah Thomas. photo courtesy of Eckehard König

Towards More Consistent Access to Agricultural Information The Unified Agricultural Thesaurus Project Overview

Mission statement:

The Unified Agricultural Thesaurus Project aims to provide users with a comprehensive automated multilingual thesaurus system to facilitate access to agricultural databases.

Goals:

Thesaurus Unification:

Create a comprehensive, multilingual agricultural thesaurus system that harmonizes AGROVOC and the CAB Thesaurus in a way that improves access to current and retrospective agricultural information for searchers and indexers.

Thesaurus Management System:

Develop a computer based system for creating, maintaining, distributing, and otherwise providing access to the unified thesaurus.

Governance Structure:

Develop a governance structure to support the unified thesaurus system which includes shared responsibility for its development and management.

Funding:

Procure funding to support the initial thesaurus and systems development as well as for ongoing operational activities.

Objectives:

Thesaurus Unification:

Develop a classified structure for both CAB Thesaurus and AGROVOC as the first step towards unification.

Analyze and integrate CAB Thesaurus and AGROVOC, resolving conflicts and inconsistencies as necessary.

Extend this classified thesaurus to include multilingual capability.

Thesaurus Management Systems:

Develop a requirements document for the creation, maintenance, distribution, and access to the unified thesaurus system.

Develop a design document for the creation, maintenance, distribution, and access to the unified thesaurus.

Undertake a system development effort to implement the thesaurus management system.

Identify an organization or institution to house the systems operation and user support.

Identify the human resources requirements for operations, management and support.

Governance Structure:

Identify and resolve issues in the areas of policy, ownership, administration, thesaurus development and management, systems operation and maintenance, and user input.

Establish a structure which would support the effective governance of the unified thesaurus system, including conflict resolution.

Identify an organization or institution to provide a site for a governance secretariat, as required.

Funding:

Establish and implement a plan for obtaining necessary funding including the identification of potential donors.



Thesaurus meeting participants (L-R): Val Reilly; Peter Wiersma; John Goodier; and Helmut Michels.

photo courtesy of Eckehard König



photo courtesy of Pamela Andre

Thesaurus meeting participants (L-R): Karl-Otto v. Selle; Eberhard Stage; Helmut Michels(back to camera); Abe Lebowitz; and Torben Friis. (See the list of participants in the box on this page for organizational affiliations.)

(Continued from page 5)

reviewed briefly. The acceptance of the report is a critical milestone in the UAT project and is a necessary precursor to acquiring additional funding. Final comments were solicited from all participants.

Since a variety of issues were raised which could not be resolved in the two-day meeting, a number of task forces were established to move the project forward. A Classification Taskforce was named to consider the outline of the classification structure for the thesauri. The group will schedule a number of working meetings to expedite the classification process. A Systems Task Force was named to finalize the requirements of the computer system needed to support the unified thesaurus. Finally, a Governance Task Force was established to review the issues related to managing the unified thesaurus and its support system.

This was a very productive meeting. It is clear that significant progress is being made in bringing the idea of a unified agricultural thesaurus to reality. Of equal importance is the fact that mechanisms have now been established whereby project participants can address the many issues to be resolved during the life of the project.



Participants in the Meeting on the Unified Agricultural Thesaurus

Pamela Q. J. Andre, USDA, National Agricultural Library (NAL)

Stella G. Dextre Clarke, CAB International

Torben Friis, Datacentralen

John Goodier, Department of the Environment
Abraham Lebowitz, Food and Agricultural Organization of the United Nations (FAO)

Sarah E. Thomas, USDA, National Agricultural Library (NAL)

Peter Wiersma, PUOC and Library Agricultural University

Peter Wightman, CAB International

Valentin Reilly, CEC-DG VI/FII-3

Carl Ulrich Koehler, Zentralstelle für Agrardokumentation und -information (ZADI)

Eckehard König, Zentralstelle für Agrardokumentation und -information (ZADI)

Helmut Michels, Zentralstelle für Agrardokumentation und -information (ZADI)

Eberhard Stage, Zentralstelle für Agrardokumentation und -information (ZADI)

Karl-Otto v. Selle, Zentralstelle für Agrardokumentation und -information (ZADI)



Aquaculture

International Center for Aquaculture

Dr. Bryan Duncan, Director, International Center for Aquaculture at Auburn University, and his associate, Dr. Tom Popma, visited NAL's Aquaculture Information Center on July 8, 1991 to discuss collaborative efforts in support of international aquaculture.

The Aquaculture Information Center's mission includes international responsibilities for aquaculture. When the Center was established in 1985, a Memorandum of Understanding was formed with the U.S. Department of Commerce, National Oceanic and Atmospheric Administration. This agreement identified the Center as major source for

international document collection and as a key U.S. contributor to the ASFA (Aquatic Sciences and Fisheries Abstracts) database. The ASFA database represents the most comprehensive references to literature on the culture of aquatic plants and animals and is commercially available for worldwide access.

The work being conducted at the International Center for Aquaculture under Dr. Duncan's leadership focuses on international aquaculture research and development, training and extension programs, an information exchange program, and database development to facilitate information transfer. The International Center for Aquaculture includes a network of more than 400 alumni located worldwide.

Aquaculture Information Center staff provided Dr. Duncan, Dr. Popma, and Dr. Gary Jensen (National Aquaculture Program Leader, Extension Service) with demonstrations of online and CD-ROM databases and e-mail networks during their visit to NAL. Electronic access to information was discussed as a practical way to enhance communication links with their Center's alumni and aquaculture faculty and as a means to improve access to international information.

With the International Center for Aquaculture's renowned expertise on international aquaculture and the Aquaculture Information Center's access to international



photo courtesy of Deborah Hanfman
Ann Young of NAL's Aquaculture Information Center demonstrates several information products and databases related to aquaculture to (L-R) Dr. Bryan Duncan and Dr. Tom Popma of the International Center for Aquaculture at Auburn University, and Dr. Gary Jensen, National Aquaculture Program Leader, Extension Service, USDA.

documents and a large number of electronic data files, collaborative activities could further improve international aquaculture development and information exchange.

— Deborah Hanfman



photo: D. Starr

While visiting NAL, Dr. Duncan and Dr. Popma met with Deborah Hanfman, Coordinator of NAL's Aquaculture Information Center, and Robyn Frank, Head of the Information Centers Branch, to plan future cooperation between the International Center for Aquaculture at Auburn University and NAL and the AIC.



**Alternative
Farming
Systems**

NAL Participates in New Sustainable Agriculture Network

Information on sustainable agriculture is now available through a network linking 14 universities, government agencies, businesses, and non-profit organizations. The National Agricultural Library is participating in this network.

The network is funded through a \$90,000 grant from the USDA Sustainable Agriculture Research and Education program, formerly known as the Low-input Sustainable Agriculture (LISA) program.

Sustainable agriculture has been defined as agriculture that "is environmentally sound, economically viable, fair and humane."

While discussing the origin and purpose of the network, Jill Auburn of the University of California and chair of the Sustainable Agriculture Network said, "The idea behind the network is to share information about sustainable agriculture among many information users and providers." She also stated that the long-term plan for the network is to improve the flow of information in traditional forms like publications and in new technologies such as computer networking and that the network will not operate in isolation

from other agriculture information efforts.

While also discussing the network, Jayne MacLean, coordinator of NAL's Alternative Farming Systems Information Center and the library's delegate to the network, said that "more and more information related to sustainable agriculture is available from research and educational institutions, private non-profit groups, farmer organizations, and others." She went on to emphasize, "However, locating the information and identifying the gaps is an increasing challenge."

To help meet that challenge, NAL is joining with other USDA agencies and other organizations in developing this specialized network.

Two short-term goals of the network are to compile a directory of individuals and organizations involved in sustainable agriculture, and "to present a showcase of sustainable agriculture information" at an international symposium in November.

The staff at the national agriculture information service, Appropriate Technology Transfer for Rural Areas (ATTRA), based in Arkansas, is compiling the directory. The directory will identify experts and other sources of information on sustainable agriculture, and will be available in printed and electronic form.

John Ikerd of the University of Missouri is organizing the showcase in conjunction with an international sustainable agriculture symposium at Ohio State University, November 10-13, 1991. Ikerd said that at the symposium individuals and organizations will be able to share information and materials related to sustainable agriculture. Materials will be displayed at the showcase, as well as reviewed by the Sustainable Agriculture Network for possible national distribution. Special consideration will be given to information on cover crops and to material that synthesizes farming practices information.

Elaborating further about network activities, MacLean

said, "the increasing use of electronic information transfer within the USDA and many other organizations presents a unique opportunity. Our network can take advantage of these efforts." A thesaurus of key terms describing all aspects of sustainable agriculture is being developed under MacLean's direction to help all network users "speak the same language." She added, "the network improves the chances that farmers will learn sustainable farming methods and systems." She concluded saying that "by sharing the costs of the information network with existing systems, the majority of the grant money can go to the development of information rather than to its delivery."

For additional information contact Jayne MacLean at (301) 344-3724 or write to her at:

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ISIS Dataload

by Roberta Y. Rand
ISIS Coordinator

For the first time, on September 15, 1991, ISIS users will be able to search the holdings of the Agricultural Research Service Center Libraries (ARS) (1974-July 1991: 18,084 records) and the Arboretum (1986-July 1991: 6,186 records). When searching the catalog, a unique ARS or Arboretum record will display when the record did not match an National Agricultural Library (NAL) record during the load process. Now the card screens reflect these unique call numbers in "Other Loc," item records describe the item and specific location, and the MARC records contain the National Union Catalog (NUC) designator and unique call number.

New to the catalog, also, are animal welfare records (18,636) and food and nutrition records (2,680) not previously loaded. All food and nutrition records will be merged into the main database before the end of the calendar year. Major programming changes prevented these records from being merged at this time.

Approximately 80,000 new journal article records will be in ISIS before the end of October. When these records are added the data range for the indexing file will be January 1989 through August 1991.

Before the end of the calendar year, 20,000 scanned retrospective records will be loaded. The load program is

being enhanced to recognize these records.

New records were loaded by VTLS, Inc. Because of NAL's limited computer resources the Library took advantage of this service offered by VTLS. With the installation of a new computer upgrade before the end of the calendar year, NAL will have the necessary computer resources to provide ISIS users an ongoing up-to-date catalog.



News Notes

NAL Exhibits at Public Relations Conference

NAL participated at the annual meeting of the Agricultural Relations Council (ARC) in Lake Geneva, Wisconsin, August 7-9. ARC is an influential group of agricultural company public relations executives. Approximately 80 executives representing 20 separate companies participated in the meeting.

The NAL exhibit was set up in the room where coffee breaks were held for the ARC group. According to NAL computer specialist Dan Starr, who with NAL public affairs officer Brian Norris, represented NAL at the conference, this proved an ideal location and prompted numerous questions from members of ARC. Most of the ARC members were unfamiliar with NAL and were interested in how the



photo: D. Starr

Brian Norris, NAL Public Affairs Officer, discusses one of the library's optical disc products with a participant in the Agricultural Relations Council annual meeting in Lake Geneva, Wisconsin.

library could possibly serve their companies. Many asked to be placed on the NAL mailing list for news releases and the NAL newsletter *ALIN*.

ARC members were also interested in copies of NAL's *Global Change Information Packet* and *Annual Report for 1990*. These items were made available at the exhibit.

NAL participation at the ARC meeting was suggested by Dan Sherman, executive director of the Associates of the National Agricultural Library (a "friends of the library" group) and Paul Weller, the chairman of the NAL Associates Public Relations/Marketing Committee.



Dan Starr of NAL's Information System Division demonstrated NAL databases and computerized information products and Brian Norris presented NAL's services, activities, and publications at the ARC meeting. Here they are seen with the NAL exhibit moments before the day's program began.



photo courtesy of Verna Shen

Verna Shen of NAL's Cataloging Branch visits with Professor Cai Yao Yuan, Head of the University Library at the South China Agricultural University.

Shen Visits Chinese Agriculture Libraries

During the last part of July and the beginning of August, Verna Shen of NAL's Cataloging Branch visited China. She spent part of her time at two Chinese agricultural libraries on behalf of the National Agricultural Library. She visited the South China Agricultural University in Guangzhou, and



photo courtesy of Verna Shen

At the library of the South China Agricultural University (SCAU), (L-R) I-Yao Shen, Professor, University of the District of Columbia; Verna Shen; Ms. Liu, Head of Cataloging, SCAU; and Cai Yao Yuan, Head, University Library, SCAU.

the Nationality Research Institute of Yunnan Province, Kunming.

At each institution Shen showed the NAL videotape which gives an overview of the library. She introduced the library's cataloging activities and answered questions about the library's programs and services. On behalf of NAL, Shen established Gift/Exchange and training programs with these two universities.

NAL & Local Museum Cooperate on Oral History Projects

Jefferson Patterson Park and Museum (JPPM) in St. Leonard, Maryland, and the National Agricultural Library are cooperating in a series of oral history interviews with farmers, farm families, agricultural workers, scientists, and others in Southern Maryland who have made significant contributions to American agriculture, or who represent a typical way of life in Maryland farming. Early interview subjects have been Gorman Buckler and Y. D. Hance. Terry Gibson from the Museum and Dr. Alan Fusonie, historian and head of NAL's Special Collections have been conducting the videotaped interviews. Copies of the tapes will be available for research at both institutions, and the content of the tapes will be in the public domain. A bibliographic description of each videotaped oral history will be input into the AGRICOLA and OCLC databases, thereby providing national and worldwide access.

Gorman Buckler

Gorman Buckler of Huntingtown, Maryland, was born in Calvert County on October 19, 1919, one of ten children in the Buckler family. In his oral history interview he recalled many of the activities necessary to maintain a successful farm under the guidance of a father who was "a strict disciplinarian, but not to the point that you did not love him." The rule was "if you didn't work, you didn't eat, and you didn't need \$100 worth of equipment to have fun, either."

Among Buckler's recollections were walking barefoot down a gravel road (now Maryland Route 4) to school for many years, and his father's purchase in 1929 of the only threshing machine operated in Calvert County for harvesting wheat. The income earned by threshing the grain of neighboring farmers saw the Bucklers through

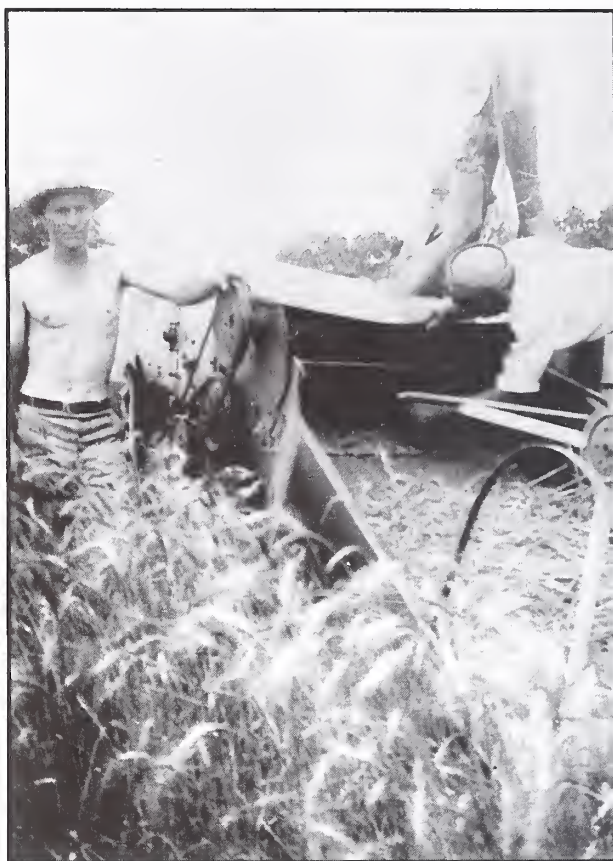


photo courtesy of NAL Special Collections
Gorman Buckler (left) as a young man on the farm working the harvest.

the Depression years until combines came on the agricultural scene in 1938.



photo courtesy of NAL Special Collections
Alan Fusonie (left) interviewing Gorman Buckler at Buckler's home in Calvert County, Maryland.

As a successful farmer himself, Buckler has had a full career planting grains, tobacco, and other crops, and raising cattle and other livestock. In addition to his years in agriculture, Buckler served in the 71st Infantry Division in Europe and in the Aleutian Islands under General Patton. Buckler judges Patton as "tough," like his own father, but the toughness was indispensable for achieving the objectives of World War II. Buckler's life on a Calvert County farm prepared him well for combat under Patton.

Y. D. Hance

At his home near Prince Frederick in Calvert County, Maryland, Y.D. Hance said that "farm policy in Southern Maryland should be determined by the younger members of the local farm community, by those who must live and farm amid increasingly complex and precarious rural circumstances." The former Secretary of the Maryland Department of Agriculture told NAL's Alan Fusonie and JPPM's Terry Gibson in the videotaped interview, "It's their future!"

The two-hour interview brings out Hance's broad understanding and grasp of the regional and national farm situation and testifies to his many years as a leader in community and statewide farm planning. He was appointed Maryland's first Secretary of the Department of Agriculture in 1972, and has served on the Calvert County Farm Bureau and Soil Conservation District while maintaining his own busy farm near the Patuxent River. He has also served as the Chairman of the Maryland Agricultural Commission (1969-72), as a member of the Maryland Agricultural Advisory Commission to the Board of Regents (1967-68), on the Governor's Environmental Committee, and on the Executive Committee of the National Association of Departments of Agriculture. Hance received a bachelor's degree from Dickinson College in 1942, and investigated espionage and sabotage activities in the South Pacific for the U.S. Army during World War II.

Hance, speaking of Southern Maryland farming, said "a lot of values are being lost." To keep these values, the interests of the farm community must be recognized by leaders in business and government, and especially by bank executives and managers who administer loans to farmers. Hance, who has also served on the Maryland National Bank Advisory Committee for Calvert County, gesturing north toward the banks of Baltimore and Annapolis, said, "They don't pay any attention to us. They're interested in the more heavily concentrated areas where I'm sure there's a lot more money and deposits, and so forth.... If you want to borrow 20 or 30 million dollars, they're interested. If you want only \$10,000—well, that's piddly."

Hance's remarks were not

confined to official or business matters. He related many details of farm life that add colorfully to the Calvert County rural portrait. Wheat on the Hance farm, for example, remained the food of choice for visiting flocks of wild geese, regardless of young Y.D.'s efforts to get rid of them by discharging his rifle in the air or leaving wagons in the field. Peaches from the Hance orchard were exchanged for fertilizer on steamboats going to Baltimore from Sollers Wharf (near Lusby, MD), and family meals were prepared on a wood stove. When relatives or friends visited the Hances, they often stayed for a month because "it cost so much to get here."

Since his father was a prosperous attorney, Y.D. Hance understood from an early age that their farm operations were not typical of Southern Maryland. The Depression did not impact on the Hances as severely as on other families, nor were they as dependent on store-bought food and provisions as others, since their farm supplied an abundance throughout the hard times. Clothes and shoes were regularly obtained—again by steamboat—on frequent trips to Baltimore from Sollers Wharf, or through mail order catalogs until Goldstein's department store opened in Prince Frederick in the 1930's. Hance's mother, now age 93, managed these trips and purchases for the family on her own.

The Oral History Videotapes

For more information about using the oral history videotapes, or about the program, call Dr. Fusonie at (301) 344-3876, or write to:

*Dr. Alan Fusonie, Head
Special Collections, 14th Floor
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351*

—Jefferson Patterson Park and Museum



photo courtesy of NAL Special Collections
Alan Fusonie (left) interviewing Y. D. Hance at his home in Calvert County, Maryland.

NAL Receives Archives of American Agricultural Economics Association

In an informal ceremony earlier this year Dr. Wayne Rasmussen, Executive Secretary-Treasurer of the Agricultural History Society, and retired Director of the History Division of the Economic Research Service, acting on behalf of the American Agricultural Economics Association, signed an agreement depositing the Association's archives in the National Agricultural Library. Joseph H. Howard, Director of the National Agricultural Library, accepted the archives for NAL. Dr. Alan Fusonie, Head, Special Collections, will have curatorial responsibility for the collection.

Since the signing of the agreement the Association has completed transfer of the archives to the Library, and NAL staff—when funding permits—will be processing the materials into the Library's collection and making them accessible both physically and bibliographically.

Speaking of this action, Dr. Rasmussen said, "As I see it, the designation of the Library as the depository will encourage some of our leading economists to make their records available for deposit and, over a period of time, could help make the Library a national center for research in the development of agricultural economics and of economic thought. At the same time, it would strengthen the already strong relationships with the land-grant universities and other institutions with programs in agricultural economics, as well as with the Economic Research Service of the [U.S.] Department [of Agriculture]."

According to John C. Redman's 1976 history of the organization,* the American Agricultural Economics Association traces its beginning to the early part of this century, growing out of several parent bodies including The American Economic Association which hosted "the first recorded meeting in the United States relating to the economics of agriculture" at Johns Hopkins University in 1897. Meetings on agricultural economics subjects were held in the first score of years in this century in conjunction with meetings of newly formed or young organizations such as the Association of American Agricultural Colleges and Experiment Stations, the American Farm Management Association (founded 1910), the American Statistical Association, the National Conference on Marketing and Farm Credits, the American Association of Agricultural Economists (founded 1917), and the American Association for Agricultural Legislation. In 1917 the American Farm Management Association and the American Association of Agricultural Economists merged to become the American Farm Economic Association, and that name remained till the present name—American Agricultural Economics Association—was adopted in 1968.

During the 1960s and 1970s the Association worked with a number of other organizations to develop information retrieval systems in the area of agricultural economics and published the *American Bibliography of Agricultural Economics* (in addition to its journal, the *American Journal of Agricultural Economics*, etc.). The bibliography, which

began in 1971, ceased publication after Volume 4 in 1974. By that time the Association had arranged with the National Agricultural Library to include citations and abstracts in the Library's CAIN database, which subsequently became the AGRICOLA (*AGRICultural OnLine Access*) database. Cooperation between the Association and NAL has continued to the present.

For additional information regarding the archives of the American Agricultural Economics Association call Dr. Fusonie at (301) 344-3876, or write to:

Dr. Alan Fusonie, Head
Special Collections, 14th Floor
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351

—Joseph N. Swab

*From *Directory of the American Agricultural Economics Association*, "A Short History of the American Agricultural Economics Association," by John C. Redman, Secretary-Treasurer, 1976, pp. 1-6. See also "American Agricultural Economics Association Historical Update, 1976-1981," by Sydney C. James, Secretary-Treasurer, 1981, pp. 7-10.



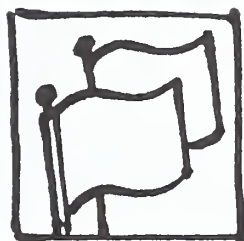
photo: J. Swab

Wayne Rasmussen and Joseph Howard sign the agreement depositing the archives of the American Agricultural Economics Association at the National Agricultural Library, while Alan Fusonie watches.



(Left) An agricultural economic affairs delegation from Tianjin, China, visited NAL recently. The group was led by Zhu Lian Kang, Director of the Commission of Agricultural Affairs (4th from left). Hosting the delegation for the Agricultural Research Service were Dr. Wang Chien-Yi and his wife Dr. Wang Shiow Y. (5th & 6th from left) and for NAL, Verna Shen of the Cataloging Branch (4th from right).

photo: B. Norris



Visitors



photo: J. Swab

(Above) A group from the Library of Congress Law Library visited NAL recently to share information technology ideas and to tour NAL and meet the NAL staff. (L-R) Kathleen Price, Head of the L.C. Law Library; Joseph H. Howard, NAL Director; Keith Stevenson and Robert Nay of the L.C. Law Library.



photo: B. Norris

(Right) The officers of Master Gardeners International Corporation recently visited NAL to learn more about the library's products and services. (L-R) Alice Nicholson, Treasurer; Joseph H. Howard, NAL Director; Jane Meyer, President; and Elaine Woods, Secretary. Mr. Howard is also a member of the Master Gardeners Board of Directors.

photo: J. Swab





Staff Update

New Employees, Visiting Scholars/Librarians, Interns, Cooperative Project Staff

These pages include photographs of many of the personnel introduced to the Library since the last time *ALIN* reported on new employees, visiting scholars/librarians, interns, and cooperative project staff. Some of them were only at NAL temporarily and may already have completed their projects or period of employment. Some of them have also been included in feature articles in previous issues of *ALIN*, and thus are known to readers. Several permanent staff shown here have moved to new positions.



photo: J. Swab

(Above) Nalini Basavaraj, University of Maryland Graduate Assistant working in NAL Technical Services.



photos: J. Swab

(Left, L-R) Kathy Lanman, Library Technician, Alternative Farming Systems and Youth Development Information Centers; D'Anna Berry, Technical Information Specialist, Animal Welfare Information Center; Alice Exner, Maryland State Department of Agriculture cooperative agreement with the Aquaculture Information Center; Theresa Brown, Health Librarian, Rural Information Center.

(Right, L-R) Rose Broome, Computer Systems Analyst, Database Administration Branch; David Goldberg, Librarian, Database Administration Branch; Joyce Bolton, Microcomputer/Computer Trainer, Library Automation Branch (University of Maryland Faculty); Charles Schoppett, Computer Programmer, Library Automation Branch.





photos: J. Swab

(Left, L-R) Diana Lopez, Student Aid, Acquisitions and Serials Branch; Angie Boone, Student Aid, Acquisitions and Serials Branch; Joan Adams Ebanks, Library Technician, Acquisitions and Serials Branch; Stacey Cole, Library Technician, Acquisitions and Serials Branch; Angie McDaniel, Student Aid, Office of the Associate Director for Technical Services; and Karen Riley, Binding Technician, Acquisitions and Serials Branch.



(Above) Dai Li, Intern from Clarion University of Pennsylvania, Rural Information Center.

(Below) Gemma Otway, Intern from Clarion University of Pennsylvania, Rural Information Center.



(Below, L-R) Joseph Pankau, Health Information Specialist, Rural Information Center; Louise Simmons, Health Information Specialist, Rural Information Center; and Deborah Wesley, Secretary, Rural Information Center.





New Bibliographies

The bibliographies in the *Quick Bibliography* series are primarily computerized online as batch bibliographies emanating from searches performed by the NAL Public Services Division Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, and probable value to a larger audience. Since October 1988, all *QB*'s include search strategies. Unless otherwise specified, citations are from AGRICOLA.

The other bibliographic series, including *Special Reference Briefs*, have been researched and produced to meet special needs of clientele of the Library and its Information Centers. Revisions or updates will be announced when produced. Only one copy of a requested title will be sent; however, requesters may make copies. To request a copy of a *Quick Bibliography*, *Special Reference Brief*, or other bibliographic work, circle the desired title(s) below and send your request with a self-addressed label to:

Reference Branch, Room 111
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Quick Bibliographies

Q.B.—91-131. Agricultural Crafts and Handicrafts, January 1979-April 1991. 229 citations in English. Prepared by Henry Gilbert. Reference and User Services Branch. August 1991.

Q.B.—91-132. Geothermal Energy Alternatives for Agriculture, January 1979-May 1991. 150 citations; languages: none excluded. Prepared by Susan Chapman. Reference and User Services Branch. August 1991.

Q.B.—91-133. Nuclear Magnetic Resonance Studies in Entomology, January 1980-May 1991. 52 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-134. Nuclear Magnetic Resonance Studies in Soil Science, January 1980-May 1991. 117 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-135. Nuclear Magnetic Resonance Studies in Non-Food and Non-Feed Agricultural Products, January 1980-May 1991. 79 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-136. Nuclear Magnetic Resonance Studies in Food Science, January 1980-May 1991. 180 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-137. Nuclear Magnetic Resonance Studies in Plant Science, January 1980-May 1991. 294 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991. Updates Q.B. 89-10.

Q.B.—91-138. Nuclear Magnetic Resonance Studies in Animal Science, January 1980-May 1991. 142 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991. Updates Q.B. 89-19.

Q.B.—91-139. Biotechnology: Nitrogen Fixation, January 1985-May 1991. 509 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-140. Biotechnology: Immobilized Enzymes, January 1980-May 1991. 181 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-141. Biotechnology: Energy Production and Products, January 1980-May 1991. 256 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. August 1991.

Q.B.—91-142. Stray Voltage, January 1979-May 1991. 106 citations; languages: none excluded. Prepared by Sheldon Cheney. Reference and User Services Branch. August 1991. Updates Q.B. 87-02.

Q.B.—91-143. Transport and Handling of Livestock, January 1979-June 1991. 308 citations; languages: none excluded. Prepared by Karen Clingerman. Animal Welfare Information Center. Updates Q.B. 90-39.

Q.B.—91-144. IPM and Biological Control of Plant Pests: Field Crops, January 1987-May 1991. 377 citations in English. Prepared by Jayne T. MacLean. Alternative Farming Systems Information Center. Updates Q.B. 90-37.

Q.B.—91-145. Water Quality Implications of Conservation Tillage, January 1980-July 1991. 237 citations in English. Prepared by Janet E. Dombrowski. Water Quality Information Center. September 1991.

Q.B.—91-146. Use of Computers for Farm Management, January 1986-June 1991. 338 citations in English. Prepared by Jane Potter Gates. Alternative Farming Systems Information Center. September 1991. Updates Q.B. 89-102.

Q.B.—91-147. Biotechnology: Plant Nutrition Other Than Nitrogen, January 1979-June 1991. 59 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. September 1991.

Q.B.—91-148. Nuclear Magnetic Resonance Studies in Forestry, January 1979-June 1991. 100 citations; languages: none excluded. Prepared by Robert D. Warmbrodt. Biotechnology Information Center. September 1991.

Special Reference Briefs

SRB—91-08. Total Quality Management, Participatory Management. Prepared by Hannah A. Stires, Kathleen C. Hayes, and Susan C. Whitmore. Technology Transfer Information Center. August 1991.

SRB—91-09. Quality Circles. Prepared by Hannah A. Stires, Kathleen C. Hayes, and Susan C. Whitmore. Technology Transfer Information Center. August 1991.

SRB—91-10. Organic Certification. Prepared by Jane Potter Gates. Alternative Farming Systems Information Center. August 1991. Updates SRB 90-04.

SRB—91-11. Selected Resources on Elder Abuse: An Annotated Bibliography for Researchers and Educators. Prepared by Billie H. Frazier and Kathleen C. Hayes. Public Services Division, National Agricultural Library. September 1991.

RICPS Series

RICPS—10. A Guide to Funding Resources. Rural Information Center Publication Series, No. 10. Prepared by Rebecca Thompson. Rural Information Center. August 1991.

Miscellaneous

Animal Welfare Information Center Newsletter, vol. 2, no. 2, April-June 1991. Animal Welfare Information Center. August 1991.

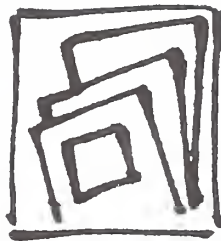
National Agricultural Library. Bibliographic Series. Current Titles Listing. No. 4. Prepared by Rebecca S. Thompson. Information Centers Branch. September 1991.

A Professional Research and Knowledge Taxonomy for Youth Development: Communication, January 1990-July 1991; Volunteerism, January 1990-July 1991. 122 citations. Prepared by Rebecca S. Thompson. Youth Development Information Center. August 1991. Updates February 1990 issues.

A Professional Research and Knowledge Taxonomy for Youth Development: Educational Design, January 1990-July 1991. 142 citations. Prepared by Rebecca S. Thompson. Youth Development Information Center. August 1991. Updates February 1990 issue.

A Professional Research and Knowledge Taxonomy for Youth Development: Youth Development, January 1990-July 1991. 478 citations. Prepared by Rebecca S. Thompson. Youth Development Center. August 1991. Updates February 1990 issue.

A Professional Research and Knowledge Taxonomy for Youth Development: Youth Program Management, January 1990-July 1991. 167 citations. Prepared by Rebecca S. Thompson. Youth Development Center. August 1991. Updates February 1990 issue.



New Serials Received at NAL

Agricultural Abstracts for Tanzania. Dar es Salaam: Tanzania National Documentation Centre, National Central Library. Quarterly. Vol. 1, no. 1- [1981]-
S542.T33T35

Agricultural Research Centres. Harlow, Essex, UK: Longman. Triennial. 7th ed.- [1983]-
S530.5.A33

Annals of Biology. Ludhiana, India: Bio-Publishers. Semiannual. Vol. 1, no. 1- [1985]-
QH301.A55

Annual Report ... and ... Handbook / Institute of Development Studies. Brighton, U.K.: The Institute. Annual. 1977-
HC59.I3

Annual Report / Pig Research Institute, Taiwan. Chunan, Taiwan, Republic of China: The Institute. Annual. 1985-
SF396.T28T3

Annual Report / Rice Research Station, Rokupr. Sierra Leone: Ministry of Agriculture and Natural Resources. Annual. 1971/72-1972/73-
SB191.R5R6

Applied Engineering in Agriculture. St. Joseph, MI: American Society of Agricultural Engineers. Bimonthly, an. 1991- Quarterly, ar. 1989- Semiannual, 1985- Vol. 1, no. 1 (June 1985)-
S671.A66

Bioresource Technology: Biomass, Bioenergy, Biowastes, Conversion Technologies, Biotransformations, Production Technologies. Barking, Essex, England: Elsevier Applied Science. 12 no. a year. Vol. 35, no. 1- [1991]-
TD930.A32

Biotechnic & Histochemistry: Official Publication of the Biological Stain Commission. Baltimore, MD: Williams & Wilkins. Bimonthly. Vol. 1 [i.e. 66], no. 1- [1991]-
QH613.B56

Biotechnology in Agriculture. Wallingford, Oxford, UK;

CAB International. Irregular. No. 1- [1990]-
S494.5.B563B554

Bishop Museum Bulletin in Anthropology. Honolulu, [HI]: Bishop Museum Press. Irregular. 1- [c1987]-
GN662.B57

Bulletin / Colorado State University, Animal Reproduction and Biotechnology Laboratory. Fort Collins, CO: The Laboratory. No. 06- [1989]-
SF871.B85

The Bulletin / National Tropical Botanical Garden. Lawai, HI: The Garden. Quarterly. Vol. 19, no. 2 (Apr. 1989)-
QK73.P3P3

Cereal Rusts Bulletin. [Wageningen, Netherlands]: European and Mediterranean Cereal Rusts Foundation. Semiannual. Vol. 1, pt. 1 (Jan. 1973)-
SB741.R8C45

Comparative Biochemistry and Physiology. C. Comparative Pharmacology and Toxicology. Oxford: Pergamon. Bimonthly. Vol. 74C, no. 1- [C1983]-
QP901.C6

Developments in Applied Biology / Association of Applied Biologists. Wellesbourne, Warwick, Great Britain: The Association. Irregular. 1- [1986]-
QH301.D42

Directory of United States Exporters. New York, NY: Journal of Commerce, Inc. Annual. 1991-
HF3011.D63

Directory of United States Importers. New York, NY: Journal of Commerce, Inc. Annual. 1991-
HF3012.D46

Entrak: Environmental Trends and Reports Affecting Libraries and Information Services. Columbus, OH: M.E.L. Jacob Associates. Quarterly. Vol. 1, no. 1 (Oct. 1990)-
Z674.2.E57

Flora & Fauna Handbook. Gainesville, FL: Flora & Fauna Publications. Irregular. No. 1- [1985]-
QH1.F56

Food Biotechnology. New York, NY: Dekker. Two no. a year. Vol. 1, no. 1- [c1987]-
TP248.65.F66F66

Foreign Agriculture / United States Department of Agriculture, Foreign Agricultural Service. Washington, DC: The Service. Annual. 1989-
aHD9001.F6

Frontiers in Biotransformation. London; New York: Taylor & Francis. Irregular. Vol. 1- [1989]-
QH604.F76

Groundnuts. Wallingford, Oxon, UK: Published by C.A.B. International in Association with the International Crops Research Institute for the Semi Arid Tropics. Quarterly. Vol. 1, no. 1 (Mar. 1988)-
SB351.P3G76

Harvard Health Letter / From Harvard Medical School. Boston, MA: Harvard Medical School Health Publications Group. Monthly. Vol. 15, no. 11 (Oct. 1990)-
R11.H3

IASRI Newsletter. New Delhi: Indian Agricultural Statistics Research Institute. Q. Vol. 12, no. 1 (Jan.-Mar. 1986)-
S494.5.E8I37

International Journal of Pharmacognosy: A Journal of Crude Drug Research. Lisse, Netherlands: Swets & Zeitlinger B.V. Quarterly. Vol. 29, no. 1 (Feb. 1991)-
RS160.I47

Journal of Evolutionary Biology. Basel, Switzerland: Birkhäuser. Six no. a year. 1990- ; Four no. a year, 1988-1989. Vol. 1, no. 1 (Jan. 1988)-
QH359.J68

Journal of Freshwater Biology. Bhagalpur, India: Freshwater Biological Association of India. Quarterly. Vol. 1, no. 1- [1989]-
QH183.J68

Laboratory Primate Newsletter. Providence, RI: Primate Behavior Laboratory, Psychology Dept., Brown University [etc.]. Vol. 1- Jan. 1962-
SF407.P7L3

Library Hi Tech News. Ann Arbor, MI: Pierian Press. Eleven issues yearly. Vol. 1, no. 1 (Jan. 1984)-
Z678.9.A1L54

Maryland Manufacturers Directory. Twinsburg, OH: Published for the Maryland Dept. of Economic and Employment Development by Harris Pub. Co. Annual. 1990-
T12.A2D5

Michigan 4-H Today. East Lansing, MI: Michigan 4-H Youth Programs. Semiannual. Vol. 1, no. 1 (Mar. 1990)-
S533.F66M53

National Frozen Food Association Membership Directory. Hershey, PA: National Frozen Food Association. Annual. 1989-
TP493.5.F762

Pesticide Registration Number Book / State of California, Department of Food and Agriculture. Sacramento: The Department. Annual. 1985-
HD9660.P33U52

Rendiconti Lincei. Matematica e applicazioni. Roma: L'Accademia. Quarterly. Ser. 9, Vol. 1, fasc. 1- [1990]-
QA1 .R452

Report on Great Lakes Water Quality / Great Lakes Water Quality Board. [Windsor, Ont.]: The Board. Annual, 1980-1983. Biennial, 1985-. 1980-
TD223.3.G743

Research Note. Armidale, N.S.W.: South Pacific Smallholder Project, University of New England. Irregular. 1- [1986]-
HD1476.T63R47

Review of Agricultural Economics. East Lansing, MI: Dept. of Agricultural Economics, Michigan State University. Semiannual. Vol. 13, no. 1 (Jan. 1991)-
HD1773.A3N6

Revista do Instituto de Medicina Tropical de São Paulo. São Paulo: O Instituto. Bimonthly. 1 (1959)-
RC960.R48

Revista romana de statistica: organ al Comisiei Nationale pentru Statistica. Bucuresti: Comisia. Monthly. 1990, nr. 1-
HA1.R38

Sanshi konchu kenyu = Acta sericologica et entomologica. Ibaraki-ken Tsukuba-shi: Norin Suisansho Sanshi Konchu Nogyo Gijutsu Kenkyujo. Semiannual. Dai 1-go (1989-nen 9-gatsu)-
SF553.J3S3

Scientific Abstracts / American Association of Equine Practitioners. Lexington, KY: The Association. Annual. 1988-
SF951.S35

Searching: Report on the Activities of IDRC. Ottawa: International Development Research Centre. Annual. 1978-
HC60.I57

Situation and Outlook Series. Pacific Rim Agriculture and Trade Report / United States Department of Agriculture, Economic Research Service. Washington, DC: The Service. Annual. Aug. 1988-
aHD9018.P27S57

SSSA Special Publication Series. Madison, WI: Soil Science Society of America. Irregular. No. 1
S590.S62

Sugar Industry Abstracts / [CAB International, Bureau of Horticulture and Plantation Crops in Association with Tate & Lyle plc]. Wallingford, Oxon, UK: C.A.B. International Services. Bimonthly. Vol. 52, no. 1 (Jan. 1990)-
TP375.S96

Technical Note — Forest Engineering Research Institute of Canada. Pointe Claire, Québec [etc.]. Forest Research Institute of Canada. No. 1- May 1976-
SD388.T39

Transactions of Indian Society of Desert Technology. Jodhpur: The Society. Annual, 1988- Vol. 12, no. 1 (Jan.

1987)-
S612.I49

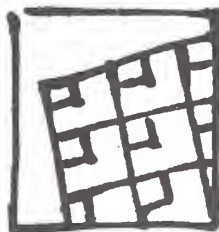
Virginia Directory of Nurserymen and Dealers / Compiled by the Bureau of Plant Protection. Richmond, VA: The Bureau. Annual. 1989-
SB44.V5

Who's Who in Veterinary Science and Medicine. Van Nuys, CA: Crown Publications. 1st ed. (1987-1988)-
SF612.W45

Working Papers on Food Subsidies / International Food Policy Research Institute. Washington, DC: The Institute. No. 1- [1985]-
HD9000.1.W67

World Oilseed Situation and Outlook / United States Department of Agriculture, Foreign Agricultural Service. Washington, DC: The Service. Monthly. FOP 10-90 (Oct. 1990)-
aHD9490.A2U5

World Poultry Situation / United States Department of Agriculture, Foreign Agricultural Service. Washington, DC: The Service. Annual. FL&P 1-88. (Sept. 1988)-
aHD9437.A1W6



Agriculture Datebook

October 2-4: Packaging Strategies Inc. Food Plants '91 Conference and Exhibition. Dallas, TX; Westin Galleria Hotel. Contact: 215-436-5347.

October 3: California Avocado Committee Northern Annual Meeting. Santa Barbara, CA. Contact: Ms. Avi Crane, 714-558-6761.

October 3-6: Marine EXPO '91. Wilmington, NC. Contact: Mike Bradley, 919-762-6010.

October 4-6: International Conference on Women and Biodiversity. Cambridge, MA. Contact: Brenda Coughlin, 617-242-1763, or Walt Reid, 202-662-2534.

October 4-7: National Management Workshop for Agricultural Economics Department Chairs. Denver, CO. Contact: 202-786-3300.

October 4-9: 32nd Conference of Atlantic Economics Society. Washington, DC. Contact: 202-447-4164.

October 7: D. W. Brooks Lecture. Athens, GA. Contact: 202-447-5923.

October 7-11: International Association of Aquatic and Marine Science Libraries and Information Centers 17th Annual Conference. Theme: Aquatic Environment: Description, Management, Conservation. Galveston Island, TX: San Luis Hotel. Contact: Natalie Wiest, 409-740-

4567; FAX 409-740-4407; Omnet mailbox TAG.LIBRARY.

October 8-10: NRECA Regional Meeting IX. Salt Lake City, UT; Little America, 500 South Main. Contact: 202-382-9540.

October 10-11: 17th Agricultural Labor Relations Forum. Orlando, FL. Contact: 202-447-4737.

October 10: 27th Annual Midwest Groundwater Conference. Indianapolis, IN. Contact: 202-447-7173.

October 12: Aquaculture VI—A Conference on Shellfish and Finfish Production. Lincroft, New Jersey: Brookdale Community College. Contact: Rene Conlon, 908-932-9271; FAX 908-932-8726.

October 12-16: Angua '91. Köln, Germany. U.S. Contact: 202-475-3623.

October 13-16: International Marine Biology Conference '91. Baltimore, MD: Stouffer Harborplace Hotel. Contact: Ann Kulback, 703-941-5373; FAX 703-941-8790; or Jennie Hunter-Cevera, 415-524-2460.

October 14: World Pumpkin Confederation World Pumpkin Weigh-off. Collins, NY. Contact: Ray Waterman, 716-532-5995.

October 16: World Food Day. Washington, DC; USDA. Contact: Cameron Bruemmer, 202-447-6307.

October 16: EPA's Regional Agricultural Forum. Dallas, TX. Contact: 202-447-7173.

October 17-18: National Plant Genetic Resources Board. Washington, DC. Contact: Allan Stoner, 301-344-3235.

October 20: 30th Anniversary of Meat Importer's Council. Chicago, IL. Contact: David Jackson, 703-522-1910.

October 22-24: Administrative Services Council Annual Conference. Windmill Point, VA. Contact: 202-447-3295.

October 22-24: Southeastern Aquaculture Conference/Trade Show. Miami Beach, FL. Contact: 904-878-FISH.

October 23: Institute of Food Technology's Eastern Food Science Conference VII. Hunt Valley, MD. Contact: 201-288-1401.

October 25-November 1: First International Symposium on Passifloras. Palmira, Colombia. Contact: Julia Zuñiga, Facultad de Ciencias Agropecuarias, A.A.237, Palmira, Valle, Colombia. FAX 5732477 or (57-23) 647243.

October 27-November 1: Annual Meeting of the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America. Denver, CO. Contact: 608-273-8080; FAX 608-273-2021.

October 28-29: Conference on Mechanisms to Improve Agriculture Trade Performance Under the GATT. Kiel, Germany. Contact: 202-786-3300.

October 29: American Academy of Pediatrics Meeting. New Orleans, LA. Contact: 703-756-3060.

October 29-30: Food & Drug Expo '91. Chicago, IL. Contact: 708-742-7676.

October 29-31: NRECA Regional Meetings VIII-X. Albuquerque, NM; Doubletree Hotel & the Convention Center. Contact: 202-382-9540.

October 30-November 2: National Fisheries Institute 46th Annual Convention. New Orleans, LA: Marriott. Contact: 703-524-8881; FAX 703-524-4619.

November 1: American Agricultural Law Association Meeting. Atlanta, GA. Contact: 202-447-7173.

November 1: Recirculating Aquaculture Workshop. Raleigh, NC; NCSU, McKimmons Center. Contact: Thomas Losardo, 919-737-7587.

November 2: Sigma Alpha National Meeting—Seventh Annual Convention. Nashville, TN. Contact: Ms. Dana Hamilton, 202-245-5465.

November 4: REA New Managers Conference (Electric Co-ops). Alexandria, VA; Stouffer Concourse. Contact: 202-447-4581.

November 4-8: Global Assembly of Women and the Environment: Partners for Life. Miami, FL. Contact: 202-347-1514.

November 6-9: Minority Participation in Forestry & Forest Related Sciences Symposium. Huntsville, AL. Contact: Thomas Ellis, FTS-682-6787.

November 7-8: 1991 Intensive Grazing Conference. Jackson, MS: Holiday Inn North. Contact: 800-748-9808.

November 7-10: American Indian Science & Engineering Society 13th Annual Conference. Albuquerque, NM; Hyatt Regency Hotel. Contact: Debra LaFontaine, AISES, 303-492-8658.

November 10-12: National Association of State Universities & Land Grant Colleges Annual Meeting. Washington, DC. Contact: Jim Cowan, 202-778-0818.

November 10-13: 12th International Irrigation Exposition and Technical Conference. San Antonio, TX; San Antonio Convention Center. Contact: Irrigation Association, 703-524-1200.

November 11-16: 11th Annual International Symposium, North American Lake Management Society. Theme: Lake, Reservoir, and Watershed Management in a Changing Environment. Denver, CO: Sheraton Denver Tech Center. Contact: NALMS, P.O. Box 217, Merrifield, VA 22116, 202-466-8550.

November 12: Pacific Northwest Symposium on Natural Resources. Spokane, WA; Spokane Chamber of Commerce. Contact: 202-447-7173.

November 13-14: 1890 Institutions Symposium. Washington, DC. Contact: 202-447-7173.

November 15-16: National Association of Farm Broadcasters Meeting. Kansas City, MO. Contact: 202-447-4164.

November 18-22: Intertribal Agriculture Council Annual Symposium. Tulsa, OK; Westin Hotel.

November 19-21: 7th Annual World Grain and Oilseeds Market Conference. Sosland Publishing Co.—Sparks Companies, Inc. Brussels, Belgium; Hilton International Hotel. Contact: Conference Secretariat, Brussels Ph. 32/2/736.51.85.

November 21: NASS Conference. Orlando, FL. Contact: 202-447-4164.

November 21-22: Innovative Policies for Agricultural Research Conference. Boston, MA. Contact: William Lockeretz, Tufts University, 617-391-1033.

November 22-23: ADAPT—Ag Diversification Adds Profit Today—Conference. Des Moines, IA: Hotel Fort Des Moines. Contact: ADAPT, 515-284-3000.

December 2-5: National Milk Producers Federal Annual Meeting. Orlando, FL. Contact: 202-245-5358.

December 2-6: National Congress of American Indians Annual Convention. San Francisco, CA; Airport Hyatt-Regency Hotel. Contact: A. G. Kingman, 202-546-9404.

Directory of Resource Persons for Training in Agricultural Information

Dear Colleague,

CTA, with the collaboration of IDRC, following meeting recommendations on International Cooperation in Agricultural Library and Documentation Training, have contracted the Institute of Development Studies to establish the above directory. Such a resource should be of great assistance to all of us in the profession particularly in conjunction with PROGEFIA — the General Programme for Education in Agricultural Information. The strategy being used is that of professional cooperation at minimum cost, so please complete this form and return it to either of the addresses below. Also please pass a copy of the form to anyone you consider should be included in the directory.

Name (underline family name)				
Title/Position				
Nationality	Working Language(s)			
Postal Address (including institution, if applicable)				
Street Location (if different from above)				
Phone	Fax	Telex	Cable	E-Mail
Higher Education (include degree, place, institution, year, and major subject)				
Training Areas (based on PROGEFIA tracks) <i>Circle all applicable</i>	Agricultural Information Management Agricultural Information Services Agricultural Information Dissemination Scientific/Technical Editing Rural Extension Communications Agricultural Information Processing Computerized Systems Database Operations		Data Processing Information Systems Management Information Centres Management Database Management Small Agric. Information Unit Mgmt. Information Control and Use Documentation Control and Use Document Production/Dissemination	
Brief Narrative of Training Expertise				
Recent Experience (include country, year, and short description)				

Mail to:

Resource Persons Directory Project
 c/o Jane S. Johnson
 Information Consultant
 8460 East Fernhill Drive
 Tucson, AZ 85715-2417
 USA

or

Resource Persons Directory Project
 c/o N.W. Posnett
 Head of Information Resource Unit
 Institute of Development Studies
 University of Sussex
 Falmer, Brighton BN1 9RE
 United Kingdom



.....
 Please clip or xerox this form and return to the address indicated. **NOTE:** This form has been reduced 10% to fit in ALIN; persons using the form might find it convenient to enlarge it again so spacing is appropriate for typing.

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National Agricultural Library
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CTA Collection Data for "Directory of Resource Persons for Training in Agricultural Information"

The Technical Centre for Agricultural and Rural Co-operation (CTA), with the collaboration of the International Development Research Centre (IDRC), has contracted with the Institute of Development Studies (IDS) at the University of Sussex to establish an ongoing database and prepare a directory of persons experienced with training in agricultural information. Such a resource should be of great assistance to all in the profession internationally. The impetus for this project is derived from the section of CTA's General Programme for Training in Agricultural Information (PROGEFIA) which seeks to identify resource persons to assist training institutions and library schools, professional associations, information services and systems, and donor agencies. Those persons involved with any aspect of training in agricultural information who wish to be considered for inclusion in this directory should fill out the training form on the preceding page of *ALIN* and return it to one of the addresses indicated. The form printed on the preceding page has been reduced 10% to fit *ALIN*'s page size; readers might wish to enlarge it to a size more appropriate for typing.

Readers may also request further details and a survey form in French from one of the following:

Resource Persons Directory Project
c/o Jane S. Johnson, Consultant
8460 East Fernhill Drive
Tucson, AZ 85715-2417, USA

Resource Persons Directory Project
c/o N.W. Posnett, Head
Information Resource Unit
Institute of Development Studies
University of Sussex
Falmer, Brighton BN1 9RE
United Kingdom

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provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities.

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